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Substitute for form 1449A/P/O	Complete if Known		
INFORMATION DISCLOSURE	Application Number	10/774,276	
INFORMATION DISCLOSURE	Filing Date	February 6, 2004	
STATEMENT BY APPLICANT	First Named Inventor	David W. Farchmin	
RADENT	Group Art Unit	2113	
(use as many sheets as necessary)	Examiner Name	Robert W. Beausoliel, Jr.	
Sheet 1 of 1	Attorney Docket Number	110003.00025 (03AB048)	

			U.S. PATENT DOC	JMENTS	
Examiner nitials	Cite No.1	U.S. Patent Document Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RP	1	5,825,759	Liu	10/20/1998	
	2	4,518,958	Cook et al	05/21/1985	
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\top	13	2003/0061295	Oberg, et al.	03/27/2003	
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Examiner Initials	Cite No.1	Office	Foreign Patent Doc 3 Number ⁴	ument Kind Code ⁵ (<i>il known</i>)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines. Where Relevant Passages or Relevant Figures Appear	10
RP	1		EP 1 138 451 A	2	Matsushita Electric	04.10.2001		\prod
1	2		EP 1 058 171 A	2	Fanuc LTD	06.12.2000		
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Use Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE to respond to Application of Information unless it contains a valid OMP Please type a plus sign (+) inside this box -> MAR 8 3 2006 Under the Paperwork Reduction Act of 1995, no persons a TO THE PARK Complete if Known Substitute for form 1449A/PTO 10/774,276 Application Number INFORMATION DISCLOSURE February 6, 2004 Filing Date STATEMENT BY APPLICANT First Named Inventor David W. Farchmin Group Art Unit 2113 (use as many sheets as necessary) Robert W. Beausoliel, Jr. **Examiner Name Attorney Docket Number** 110003.00025 (03AB048) Sheet 1 of 1

U.S. PATENT DOCUMENTS U.S. Patent Document Pages, Columns, Lines, Date of Publication of Name of Patentee or Applicant Examine Cite Where Relevant Kind Code Cited Document of Cited Document Passages or Relevant initiels* No.1 Number MM-DD-YYYY (if known Figures Appear -RP Dolin, Jr. 5,519,878 05/21/1996 09/28/1999 5.960.341 LeBlanc, et al. 5,978,753 Eidson 11/02/1999 6,453,168 McCrady, et al. 09/17/2002 Fullerton, et al. US2003/0197643 10/23/2003

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	Cito		Foreign Patent Do	ocument	Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	
Examiner Initials	Cite No.1	Office	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Τ°
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of Sheet 1

Complete if Known						
Application Number	10/774,276					
Filing Date	February 6, 2004					
First Named Inventor	David W. Farchmin					
Group Art Unit	2113					
Examiner Name	Robert Beausoliel					
Attorney Docket Number	110003.00025 (03AB048)					

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Examiner Initials	Cite No.1	1 Number :	ment Code ² nown)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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V		US2003/0191767		Kabala	10/09/2003	
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Examine Initials	Cite No.1	Office	Foreign Patent Doc Number	kument Kind Code ^s (<i>if known</i>)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pagas, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	1g
RP		wo	95/14938		Murdoch, et al.	06/01/1995		
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		DE	19955646 A1		Hofer, et al.	06/13/2001		
V		GB	2 274 521		Mori, et al.	07/27/1994		\Box
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 10/447,276 10774276
Filing Date 02-06-2004
First Named Inventor David W. Farchmin
Art Unit Examiner Name

(Use as many sheets as necessary)

Sheet 1 of 1 Attorney Docket Number 110003.00025

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (* known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RP	1	^{US-} 2002/0131446	09-19-02	Metcalf, III	
	2	^{US-} 5,978,753	11-02-99	Eidson	
	3	^{US-} 5,598,572	01-28-97	Tanikoshi et al	
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Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,						
Initials*	No.'	Country Code ³ Number ⁴ Kind Code ^d (If known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶					
RP	1	WO 02/05107 A1	17.Jan.2002	Swales, Andrew							
	2	EP 1 265 118 A1	05.Jun.2001	Wimmer, Wolfgang	•						
	3	EP 1 233 315 A1	19.Feb.2001	Wimmer, Wolfgang	***************************************						
	4	EP 0 472 874 A1	15.Jul.1991	Mathias, Thomas et al	**************************************						
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 1./774,276
Filing Date 02-064-04
First Named Inventor David W. Farchmin
Art Unit Examiner Name

(Use as many sheets as necessary)
Sheet 1 of

Attorney Docket Number 110003.00025

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RP	1	^{US-} 5.960.341	Sept. 28, 1999	LeBlai	nc et al	
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considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/774,276	
Filing Date	02-06-04	
First Named Inventor	David W. Farchmin	
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9	RP	1	^{US-} 5,598,572	01-28-97	Tanikoshi et al	
'n.	RP	2	^{US-} 2004/0260518	12-23-04	Polz et al	
١.		3	US- 2004/0203930	10-14-04	Farchmin et al	
P	RP	4	^{US-} 5,956,465	09-21-99	Takagi et al	
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		Country Code ³ Number ⁴ Kind Code ³ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶
RP	1	DE 101 42 279	20.03.2003	Assion, Ewald		
RP	2	DE 38 32 375 A1	29.3.90	Ruhrkohle AG		
RP	3	WO 96/23340	01/08/96	Haworth Inc.		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	1

Complete if Known					
Application Number	10/774,276				
Filing Date	02-06-04				
First Named Inventor	David W. Farchmin				
Group Art Unit					
Examiner Name					
Attorney Docket Number	110003.00025				

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Sheet 1

Complete if Known					
Application Number	10/774,276				
Filing Date	February 6, 2004				
First Named Inventor	David W. Farchmin				
Art Unit					
Examiner Name					
Attorney Docket Number	110003.00025.03AB048				

Examiner	Cite	Document Number	U. S. PATEN Publication Date	Name of Patentee or	Pages, Columns, Lines, When
Initials*	Cite No.1		MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevan
		Number-Kind Code ^{2 (# known)}			Figures Appear
	1	^{US-} 5,598,572	01-28-97	Tanikoshi et al	
	2	^{US-} 5,956,465	09-21-99	Takagi et al	
,	3	US- 6,236,335	05-22-01	Goodwin III	
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Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	П
		Country Code ³ Number ⁴ Kind Code ⁸ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶
		DE 39 32 375 A1	23.9.88	Ruhrkohle AG		
	2	EP 0 992 921 A2	12.04.2000	Lucent Technologies		
	3	WO 02/30053 A1	11.04.2002	Lesswire AG		\vdash

Examiner Date /Ramesh Patel/ Signature Considered 08/21/2006

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Complete if Known					
Application Number	10/774,276				
Filing Date	02-06-2004				
First Named Inventor	David W. Farchmin				
Group Art Unit					
Examiner Name					
Attorney Docket Number	110003.00025.03AB 048				

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Exan Initia		Cite No.1	Number	ument id Code² known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		2	6,060,993		Cohen	05-09-00	
		3	5,960,085		de la Huerga	09-28-99	
		4	4,612,620		Davis. et al.	09-16-86	
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		8	5,751,221		Stanfield, et al.	05-12-98	
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		11	6,362,783		Sugiura et al	03-26-02	
		12	5.287,266		Malec et al	02-15-94	
		13	6,359,711		Cole et al	03-19-02	
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		16	6.446.004		Cao et al	Sep. 3, 2002	
	Ш	17	20020125886		Bates et al	Sep. 12, 2002	
		18	5,544,321		Theimer et al	Aug. 6, 1996	
<u> </u>		19	2003/0011467	7	Suomela	Jan. 16, 2003	
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Examiner Initials*		Cite No.1	Office	Foreign Patent Docu	Iment Kind Code ⁵ (If known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Ţ8
R	P	1		0 992 921 A2		Lucent Technologies Inc	12.04.2000		
		2		WO 00/50919		Micosoft Corporation	31.08.2000		
		3		WO 02/054813	A1	EKA-Hau Oy	11.07.2002		\top
		4		WO 02/43428 A	1	Tele-Com Italia Lab s.p.	30.05.2002		
		5		WO 01/16607 A2		Cordless Antistatic Rese			
		6		WO 02/12992 A	2	IBM United Kingdom Lir	14.02.2002		
		7		GB 2 365 662		International Business N	20.02.2002		1
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	/	9		WO 00/17737		Kemink et al	30.03.00		1
		10		WO 01/82032 A	2	Baker, Richard A.	01.11.2001		

Examiner /Ramesh Patel/	Date Considered	08/21/2006
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.



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Complete if Known **Application Number** 10/774,276 Filing Date 02-06-2004 First Named Inventor David W. Farchmin Art Unit **Examiner Name** Attorney Docket Number 110003.00025.03AB048

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	No.1	Cite Document Number Publication MM-DD-YY Number-Kind Code ² (T known)		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RP	20	^{US-} 6.167.464	12-26-00	Kretschmann	
1	21	^{US-} 5,907,491	05-25-99	Canada et al	
	22	US- 2002/0030094 A1	03-14-02	Curry et al	
	23	US- 2002/0167417 A1	11-14-02	Wells, II et al	
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	25	US- 5.202.929	04-13-93	Lemelson	
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	27	US- 2001/0018349	08-30-01	Kinnunen et al	
	28	^{US-} 5.485.634	01-16-96	Weiser et al	
	29	US- 5.910.799	06-08-99	Carpenter et al	
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	32	^{US-} 5,555,376	09-10-96	Theimer et al	
	33	^{US-} 5,642,303	06-24-97	Small et al	
	34	US- 2002/0007407 A1	01-17-02	Klein	
	35	^{US-} 6,496,775 B2	12-17-02	McDonald Jr et al	
	36	^{US-} 6.611.755 B1	08-26-03	Coffee et al	
1/	37	^{US-} 4.598.275	07-01-86	Ross et al	
W	38	US- 2002/0123325 A1	09-05-02	Cooper	

			IGN PATENT DOCU	<u>JMENTS</u>		
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Γ
		Country Code ³ "Number ⁴ "Kind Code ⁸ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	┖
RP ·	11	WO 02/05107 A1	17.01.2002	Swales, Andrew		
	12	EP 0 801 342 B1	08.01.2003	Carpenter, et al		Γ
	13	EP 0 626 635 A2	30.11.94	Palrang et al		Γ
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V	15	WO 01/41546 A2	14.06.2001	Brumitt et al		Γ

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Г				U.S. PATENT DOCI	JMENTS	
Exa Initia	miner als	Cite No.1	U.S. Patent Document Kind Cod Number (# known	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
F	₹P	39	4,728,959	Maloney et al	Mar. 1, 1988	
		40	5,119,104	Heller	Jun. 2, 1992	
		41	6,026,304	Hilsenrath et al	Feb. 15, 2000	
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		45	6,347,229	Zelmanovich et al	Feb. 12, 2002	
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Examiner Initiels	Cite No.1	Office	Foreign Patent Doo Number ⁴	cument Kind Code ^s (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
RP	16		WO 01/22118 A	12	James G. Seal	29.Mar.2001		
RP	17		WO 99/39219	i	Belcher, et al	5.Aug.1999		T
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		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	J ₂						
RP	1	A Statistical Modeling Approach to Location Estimation; IEEE Transactions on Mobile Computing; Vol. 1, No. 1, Jan-Mar 2002; pg. 59-69; Roos, et al							
RP	2	A Probabilistic Approach to WLAN User Location Estimation; International Journal of Wireless Information Networks, Vol. 9, No. 3, pg. 155-164; Roos, et al.							
RP	3	A Statistical Modeling Approach To Location Estimation; Master's Thesis, Univ. of Helsinki, Department of Computer Science, May 5, 2001, Teemu Tonteri							
RP	An Indoors Wireless Positioning System Based On Wireless Local Area Network Infrastructure (13 pgs), SatNav 2003, Melbourne, Australia 7/22-25/03, Wang et al								
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